

Index for Volume 29 [1958]

Prepared for the Research Council by Marjorie Phillips

Authors and important topics are indexed. Topics selected for indexing are those for which the article supplies information or data. The brief descriptive phrase is followed by the author's name, month, and page of reference.

- abdominal muscles
 - relation of strength to low back pain, Flint, M. Marilyn, May: 160
- Abstracts*
 - of research articles, Mar.: 120; May: 247; Oct.: 370; Dec.: 484
- action potentials
 - in unexercised arm, Sills, F. D., and Olson, A. L., May: 213
- administration
 - effect on school health service practices, Neilson, Elizabeth A., and Irwin, L. W., Dec.: 417
- age
 - effect on interest in marriage problems, Lantagne, J. E., Dec.: 407
- anthropometric measures
 - effect of weight training, Kusinitz, I., and Keeney, C. E., Oct.: 294
 - relationship to oxygen intake, Royce, J., Mar.: 60
- archery
 - relation of lateral dominance to, Way, Eunice E., Oct.: 360
- athletes
 - personality traits of, Booth, Jr., E. G., May: 127
- attitudes
 - analysis of measurement scales in health education, Mayshark, C., Oct.: 309
 - toward safety, scale to measure, Myers, F. H., Oct.: 320
- back muscles
 - relation of strength to low back pain, Flint, M. Marilyn, May: 160
- badminton
 - relation of lateral dominance to, Way, Eunice E., Oct.: 360
- basic skills
 - effect of instruction in, on motor learning, Broer, Marion R., Dec.: 379
- basketball
 - effect of basic skills instruction on, Broer, Marion R., Dec.: 379
 - effect of warm-up on, Thompson, H., May: 231
 - reliability of tests for junior high school girls, Broer, Marion R., May: 139
- behavior
 - of physical education teachers, Blank, L. B., Mar.: 1
 - social, index for evaluating, Cowell, C. C., Mar.: 7
- Blank, L. B., Mar.: 1*
- blood pressure
 - effect of exercise on, Rochelle, Rene H., Dec.: 459
 - measurement of, by strain gauge and pressure amplifier method, Rochelle, Rene H., Dec.: 459
 - effect of psychic stress on, Hennis, Gail M., and Ulrich, Celeste, May: 172
- blood viscosity
 - effect of vigorous swimming on, Thompson, H. L., Dec.: 482
- body build
 - relationship to toe-touch test, Broer, Marion R., and Galles, Naomi R. G., Oct.: 253
- body type
 - relation to flexibility, Tyrance, H. J., Oct.: 349
- Booth, Jr., E. G., May: 127*
- bowling
 - effect of warm-up on, Thompson, H., May: 231
 - relation of lateral dominance to, Way, Eunice E., Oct.: 360
- Brocket, J. E., May: 200*
- Broer, Marion R., May: 139; Oct.: 253; Dec.: 379*
- Buxton, Doris, Mar.: 116*

- cerebral palsy
 effect on strength of two weight-training methods, Healy, A., Dec.: 389
- cholesterol
 review of research, Pohndorf, R. H., May: 180
- circulation
 normal and occluded, isometric fatigue curves in the, Royce, J., May: 204
- cold
 effect on fatigue level and work output of muscle, Grose, J. E., Mar.: 19
- community size
 effect on school health service practices, Neilson, Elizabeth A., and Irwin, L. W., Dec.: 417
- coordination
 hand-eye, effect of psychic stress on, Hennis, Gail M., and Ulrich, Celeste, May: 172
Coppock, Doris E., May: 146
Cowell, C. C., Mar.: 7; Mar.: 46
Crisp, C. E., May: 200
- critical incidents
 in behavior of physical education teachers, Blank, L. B., Mar.: 1
Crowley, L. V., May: 200
- dance
 measurement of rhythmic ability, Simpson, Shirley E., Oct.: 342
Dearborn, T. H., May: 154
- democracy
 in teaching, use of group dynamics, Welborn, G. S., Mar.: 102
- depth perception
 effect of psychic stress on, Hennis, Gail M., and Ulrich, Celeste, May: 172
Dixon, R. W., Mar.: 32
Dobias, R., May: 222
- dominance
 relation to motor ability and skill, Way, Eurnice E., Oct.: 360
- electrocardiogram
 effect of stress on, Rasch, P. J., Geddes, D. D., Stout, C. F., and O'Connell, E. R., May: 193
- electrocardiography
 study of Olympic wrestlers, Rasch, P. J., Cowell, H. S., Geddes, D. D., and O'Connell, E. R., Mar.: 46
Ellfeldt, Lois, Oct.: 264
- endurance
 effect of warm-up on, Thompson, H., May: 231
 effect of weight training on, Kusnitz, I., and Keeney, C. E., Oct.: 294
Espenschade, Anna, Oct.: 274
- exercise
 action potentials in unexercised arm, Sills, F. D., and Olson, A. L., May: 213
 effect of vigorous swimming on blood viscosity, Thompson, H. L., Dec.: 482
 effect on venous blood pressure, Rochelle, Rene H., Dec.: 459
 frequency and intensity in developing strength, Rarick, G. L., and Larsen, G. L., Oct.: 333
 progressive resistance in developing back and abdominal strength, Flint, M. Marilyn, May: 160
Faires, L. B., Mar.: 54
- fat
 relation to motor fitness test scores, Riendeau, R. P., et al., May: 200
 relation to oxygen intake, Royce, J., Mar.: 60
- fatigue
 isometric curves with normal and occluded circulation, Royce, J., May: 204
 of muscle, effect on of heat, cold, and massage, Grose, J. E., Mar.: 19
Feldt, L. S., Oct.: 279
- flexibility
 effect of weight training on, Kusnitz, I., and Keeney, C. E., Oct.: 294
 relation to body build, Broer, Marion R., and Galles, R. G., Oct.: 253
 relation to body type, Tyrance, H. J., Oct.: 349
Flint, M. Marilyn, May: 160
- football
 factors affecting place kicking, Marshall, S., Oct.: 302
 starting signals and movement times of players, Thompson, C. W., Nagle, F. J., and Dobias, R., May: 222
- force
 of muscular contraction, effect of intensity of stimulus on, Vallerger, J. M., Mar.: 93
Galles, Naomi R. G., Oct.: 253
Geddes, D. D., Mar.: 46; May: 193

golf

effect on learning of loopfilms, Nelson, D. O., Mar.: 37

Griffin, P. E., May: 200

Grose, J. E., Mar.: 19

group dynamics

use in teacher education, Welborn, G. S., Mar.: 102

gymnastics

comparison of two methods in teaching, Wickstrom, R. L., Mar.: 109

health

knowledge of college students, Dearborn, T. H., May: 154

study of school service practices, Neilson, Elizabeth A., and Irwin, L. W., Dec.: 417

health education

analysis of attitude measurement, Mayshark, C., Oct.: 309

Healy, A., Dec.: 389

heart

effect of stress on electrocardiograms of wrestlers, Rasch, P. J., Geddes, D. D., Stout, C. F., and O'Connell, E. R., May: 193

effect on of competitive wrestling, Rasch, P. J., Cowell, H. S., Geddes, D. D., and O'Connell, E. R., Mar.: 46

heat

effect on fatigue level and work output of muscle, Grose, J. E., Mar.: 19

Hennis, Gail M., May: 172

Hunt, M. B., Mar.: 54

interests

of high school students in marriage and parenthood, Lantagne, J. E., Dec.: 407

Irwin, L. W., Dec.: 417

Keeney, C. E., Oct.: 294

kicking

factors, affecting, in football, Marshall, S., Oct.: 302

kidneys

effects of amateur wrestling on, Rasch, P. J., Faires, L. B., and Hunt, M. B., Mar.: 54

kinesthesia

a theory of movement, Ellfeldt, Lois, and Metheny, Eleanor, Oct.: 264

Knapp, C. G., Mar.: 32

knowledge

health, of college students, Dearborn, T. H., May: 154

Kraus-Weber test

race and sex differences in performance, Espenschade, Anna, Oct.: 274

relation to physical performance scores of children, Espenschade, Anna, Oct.: 274

scoring system for Buxton revision, Buxton, Doris, Mar.: 116

Kroll, W., Dec.: 396

Kusnitz, I., Oct.: 294

Lantagne, J. E., Dec.: 407

Larsen, G. L., Oct.: 333

Lazier, M., Mar.: 32

learning, motor

effect of basic skills instruction on, Broer, Marion R., Dec.: 379

effect of distribution of practice on, Knapp, C. G., Dixon, W. R., and Lazier, M., Mar.: 32

effect of loopfilms on, Nelson, D. O., Mar.: 37

loopfilms

effect on learning golf, Nelson, D. O., Mar.: 37

marriage

interests of high school students in, Lantagne, J. E., Dec.: 407

Marshall, S., Oct.: 302

massage

effect on fatigue level and work output of muscle, Grose, J. E., Mar.: 19

Mayshark, C., Oct.: 309

McKee, Mary Ellen, Oct.: 279

metabolism

body components as reference standards for basal rate, Royce, J., Mar.: 60

Metheny, Eleanor, Oct.: 264

method

comparison of, in teaching gymnastics and stunts, Wickstrom, R. L., Mar.: 109

motor ability

relation to lateral dominance, Way, Eunice E., Oct.: 360

reliability of Scott and Humiston tests, Broer, Marion R., May: 139

motor fitness

relation of body fat to performance, Riendeau, R. P., et al., May: 200

- movement
 and meaning, a theory, Ellfeldt, Lois,
 and Metheny, Eleanor, Oct.: 264
Myers, F. H., Oct.: 320
Nagle, F. J., May: 222
Neilson, Elizabeth A., Dec.: 417
Nelson, D. O., Mar.: 37
O'Connell, E. R., Mar.: 46; May: 193
Olson, A. L., May: 213
- pain
 low back, effect on of increasing back
 and abdominal strength, Flint, M.
 Marilyn, May: 160
- parenthood
 interests of high students in, Lan-
 tagne, J. E., Dec.: 407
- personality
 patterns of successful women physi-
 cal educators, Thorpe, Jo Anne,
 Mar.: 83
 traits of athletes, Booth, Jr., E. G.,
 May: 127
- physical education
 behavior of teachers, Blank, L. B.,
 Mar.: 1
- physical fitness
 effect of weight training on, Kusnitz,
 I., and Keeney, C. E., Oct.: 294
 of fourth grade children, Espen-
 schade, Anna, Oct.: 274
Pohndorf, R. H., May: 180
- posture
 relation of pectoral tightness to round
 shoulders, Coppock, Doris E., May:
 146
- practice
 distribution of, effect on learning,
 Knapp, C. G., Dixon, W. R., and
 Lazier, M., Mar.: 32
 effect on paired reaction time re-
 sponses, Slater-Hammel, A. T.,
 Dec.: 468
- race
 differences, in performance on Kraus-
 Weber test, Espenschade, Anna,
 Oct.: 274
Rarick, G. L., Oct.: 333
Rasch, P. J., Mar.: 46; Mar.: 54; May:
 193
- reaction time
 of football players to various starting
 signals, Thompson, C. W., Nagle,
 F. J., and Dobias, R., May: 222
 relation to wrestling ability, Kroll,
 W., Dec.: 396
 to pairs of discrete stimuli, Slater-
 Hammel, A. T., Dec.: 468
- recovery
 following exercise, venous blood pres-
 sure during, Rochelle, Rene H.,
 Dec.: 459
- refractory period
 in simple paired responses, Slater-
 Hammel, A. T., Dec.: 468
- reliability
 of skill tests, a comparison of meth-
 ods for estimating, Feldt, L. S., and
 McKee, Mary Ellen, Oct.: 279
- religion
 effect on interest in marriage prob-
 lems, Lantagne, J. E., Dec.: 407
- repetition
 effect on speed of arm extension,
 Swegan, D. B., Yankosky, G. T.,
 and Williams, III, J. A., Mar.: 74
- review
 of cholesterol research, Pohndorf,
 R. H., May: 180
- rhythm
 instrument to measure, Simpson,
 Shirley E., Oct.: 342
Riendeau, R. P., May: 200
Rochelle, Rene H., Dec.: 459
Royce, J., Mar.: 60; May: 204
- safety
 attitude scale for seventh grade,
 Myers, F. H., Oct.: 320
- sex
 performance differences on Kraus-
 Weber test, Espenschade, Anna,
 Oct.: 274
Sills, F. D., May: 213
Simpson, Shirley E., Oct.: 342
Slater-Hammel, A. T., Mar.: 117; Dec.:
 468
- social adjustment
 an index for evaluating, Cowell, C. C.,
 Mar.: 7
- softball
 effect of basic skills instruction on,
 Broer, Marion R., Dec.: 379
 reliability of tests for junior high
 schools, Broer, Marion R., May:
 139
- somatotype
 relation to flexibility, Tyrance, H. J.,
 Oct.: 349

- specific gravity
 relationship to oxygen intake, Royce, J., Mar.: 60
- speed
 effect of intensity of stimulus on, Vallerga, J. M., Mar.: 93
 effect of repetition on, Swegan, D. B., Yankosky, G. T., and Williams, III, J. A., Mar.: 74
 effect of warm-up on, Thompson, H., May: 231
 relation of body fat to, Riendeau, R. P., May: 200
- statistics
 the one-tailed test, Slater-Hammel, A. T., Mar.: 117
- steadiness
 effect of psychic stress on, Hennis, Gail M., and Ulrich, Celeste, May: 172
- stimulus
 intensity of, effect on speed of movement, Vallerga, J. M., Mar.: 93
 intensity of, effect on force of muscular contraction, Vallerga, J. M., Mar.: 93
 variation of, effect on simple and paired reaction time responses, Slater-Hammel, A. T., Dec.: 468
- Stout, C. F.*, May: 193
- strength
 effect of warm-up on, Thompson, H., May: 231
 effect of weight training on, Kusnitz, I., and Keeney, C. E., Oct.: 294
 frequency and intensity of isometric contractions in developing, Rarick, G. L., and Larsen, G. L., Oct.: 333
 of back and abdominal muscles, effect on low back pain, Flint, M. Marilyn, May: 160
 of cerebral palsy subjects following two weight-training programs, Healy, A., Dec.: 389
 of muscle, effect on of heat, cold, and massage, Grose, J. E., Mar.: 19
 of wrestlers, Kroll, W., Dec.: 396
- stress
 effect on electrocardiograms of wrestlers, Rasch, P. J., Geddes, D. D., Stout, C. F., and O'Connell, E. R., May: 193
- psychic, effect on various physical measures, Hennis, Gail M., and Ulrich, Celeste, May: 172
- Swegan, D. B.*, Mar.: 74; Oct.: 373
- swimming
 effect of warm-up on, Thompson, H., May: 231
 effect on blood viscosity, Thompson, H. L., Dec.: 482
- teacher education
 use of group dynamics in, Welborn, G. S., Mar.: 102
- teachers
 critical incidents in behavior of, Blank, L. B., Mar.: 1
 personality patterns of women physical educators, Thorpe, Jo Anne, Mar.: 83
- tennis
 relation of lateral dominance to, Way, Eunice E., Oct.: 360
- test
 of rhythmic ability, Simpson, Shirley E., Oct.: 342
 one-tailed discussion of statistical model, Slater-Hammel, A. T., Mar.: 117
 reliability of motor ability and sports skills, Broer, Marion R., May: 139
 safety attitude scale, for seventh grade, Myers, F. H., Oct.: 320
 scoring system for revised Kraus-Weber, Buxton, Doris, Mar.: 116
- theory
 of movement, Ellfeldt, Lois, and Metheny, Eleanor, Oct.: 264
- Thompson, C. W.*, May: 222
- Thompson, H. L.*, May: 231; Dec.: 482
- Thorpe, Jo Anne*, Mar.: 83
- time patterns
 effect on motor learning, Knapp, C. G., Dixon, W. R., and Lazier, M., Mar.: 32
- tumbling
 comparison of two methods in teaching, Wickstrom, R. L., Mar.: 109
- typing
 effect of warm-up on, Thompson, H., May: 231
- Tyrance, H. J.*, Oct.: 349
- Ulrich, Celeste*, May: 172

- Vallerga, J. M.*, Mar.: 93; Dec.: 483
- visual aids
effect of loopfilm on golf learning,
Nelson, D. O., Mar.: 37
- volleyball
effect of basic skills instruction on,
Broer, Marion R., Dec.: 379
reliability of tests for junior high
school girls, Broer, Marion R.,
May: 139
- warm-up
effect on physical performance,
Thompson, H., May: 231
- Way, Eunice E.*, Oct.: 360
- weight
of wrestlers, Kroll, W., Dec.: 396
relation to motor performance, Rien-
deau, R. P., May: 200
relation to oxygen intake, Royce, J.,
Mar.: 60
- weight-training
comparison of two methods with cere-
bral palsy subjects, Healy, A.,
Dec.: 389
effect on health and fitness of boys,
Kusnitz, I., and Keeney, C. E.,
Oct.: 294
- Welborn, G. S.*, Mar.: 102
- Welch, B. E.*, May: 200
- Wickstrom, R. L.*, Mar.: 109
- Williams, III, J. A.*, Mar.: 74
- work
of muscle, effect on of heat, cold, and
massage, Grose, J. E., Mar.: 19
- wrestling
effect of tournament stress on electro-
cardiograms of Olympic contest-
ants, Rasch, P. J., Geddes, D. D.,
Stout, C. F., and O'Connell, E. R.,
May: 193
effects on kidneys, Rasch, P. J.,
Faires, L. B., and Hunt, M. B.,
Mar.: 54
electrocardiographic study of Olym-
pic participants, Rasch, P. J., Cow-
ell, H. S., Geddes, D. D., and
O'Connell, E. R., Mar.: 46
success, factors related to, Kroll, W.,
Dec.: 396
- X-ray
in determining flexibility differences,
Tyrance, H. J., Oct.: 349
- Yankosky, G. T.*, Mar.: 74